

SPECIFICATION AMENDMENTS

1. Please replace the paragraph beginning at page 4, paragraph [0012] with the following amended paragraph:

[0012] Exemplary embodiments of the invention are explained below with the aid of the schematics.

Figure 1 shows an arrangement of a sensor 1 and of a control device 6,

Figure 2 is a flowchart of a program for recognizing a sensor type, ~~and~~

Figure 3 is a further flowchart of a program that assigns measurement values as a function of a recognized sensor type,

Figure 4A shows a time curve of a measuring signal V SENS for a sensor having a signal-value-range multiplex output, and

Figure 4B shows a time curve of a measuring signal V SENS for a sensor not having a signal-value-range multiplex output.

Elements having the same design or function have been assigned the same reference numerals in all the Figures.

2. Please replace the paragraph beginning at page 4, paragraph [0013] with the following amended paragraph:

[0013] A sensor 1 can be a sensor 2 not having a signal-value-range multiplex output or a sensor 4 having a signal-value-range multiplex output. Shown by way of example in Figure 4a is a time curve of a measuring signal V_SENS for the sensor 4 having a signal-value-range multiplex output. Figure 4b shows the time curve of the measuring signal V_SENS of the sensor 2 not having a signal-value-range multiplex output, with in each case the abscissa being the time t and the ordinate a ~~voltage U~~ **voltage V.**